

MISHULOVICH, L.Ya.

Increasing output of a plant by using internal reserves. Stek. i ker. vol.10  
no.8:27-29 Ag '53. (MLRA 6:8)  
(Ceramic industries)

MISHULOVICH, L.Ya.

We should improve the production of floor tiles. Stek. i ker.  
12 no.7:13-16 Jl '55. (MIRA 8:10)  
(Floor coverings) (Tiles)

MISHULOVICH, L.Ya., inzhener; LOPOVOK, L.I., kandidat arkhitektury

Small-size rock and clay facing slabs. Rats. i izobr.predl. v  
stroi. no.108:22-23 '55. (MIRA 8:10)  
(Walls)

MISHULOVICH, LEV YAKOVLEVICH

LOPOVOK, Lev Isayevich, kandidat arkhitektury; MISHULOVICH, Lev Yakovlevich,  
inzhener; CHERNYAK, Ya.N., nauchnyy redaktor; GLEZHOVA, I.L.,  
redaktor; PANNOVA, L.Ya., tekhnicheskiy redaktor

[Small slabs for building facades] Malogabaritnye fasadnye pilitki.  
Moskva, Gos.izd-vo lit-ry po stroit. materialam, 1957. 41 p.  
(MLRA 10:?)

(Building blocks) (Facades)

AUTHOR: Mishulovich, L. YA.; Zayonts, R. M.; and Romanov, P. R.

TITLE: Sagger-less Firing of Ceramic Tiles for Flooring (Beskapsel'nyy obzhig keramicheskikh plitok dlya polov)

PERIODICAL: Steklo i Keramika, 1957, Vol. 14, No. 1, pp. 19-23 (U.S.S.R.)

ABSTRACT: Since firing of ceramic tiles in saggers requires special shops and significant labor which increases its cost of production by 10 - 11%, a sagger-less method of firing ceramic tiles in tunnel furnaces (extensively used in such countries as Czechoslovakia, Germany, Hungary, etc., and to some extent by the domestic industry) is considered. For this purpose, a series of tests were conducted in 1955 by the Losevskiy Collective Tile Factory in Kharkov (Kollektiv Khar'kovskogo Losevskogo plitochnogo zavoda), in cooperation with employees of the Scientific Research Institute for Structural Ceramics (NIIstroykeramika) to determine the economical and technological aspects and advantages of the sagger-less method. The tiles were fired in a tunnel-type No. 3 furnace, 11.3 m. in length, 1.85 m. in width, 1.3 m. in height, capable of accommodating 56 tile carts. The furnace

Card 1/2

Sagger-less Firing of Ceramic Tiles for Flooring

was heated with generator gas to about 1150 and 1200 cal/m<sup>3</sup>. Fig. No. 3 shows the firing temperatures. Figs. No. 1, 2, & 4 show various type carts used in the sagger-less method of firing. Comparative data on tile sorts obtained through both methods of firing, are shown in Table No. 1. Table No. 2 shows the average quality of tiles according to their placement on carts in a sagger-less firing.

There are no references.

ASSOCIATION: Losevskiy Tile Factory in Kharkov (Khar'kovskiy [Losevskiy] Plitochnyy zavod)

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 2/2

AUTHOR:

Mishulovich, L. Ya.

72-2-9/10

TITLE:

Production of Facing Tiles in Czechoslovakia (Proizvodstvo fasadnoy keramiki v Chechoslovakii)

PERIODICAL:

Steklo i Keramika, 1957, Vol. 14, No. 2, pp 30-31 (U.S.S.R.)

ABSTRACT:

A trend is noted in Czechoslovakia to use the method of half-dry pressing in the manufacture of facing and floor tiles. Exterior tiles are being made with both glazed and rough finishes. Figures are given of popular dimensions: 250 x 40 mm, 250 x 65 mm, 150 x 150 mm, 200 x 200 mm, 300 x 15 mm and 30 x 300 mm. The table shows materials used: marble, feldspar, unwashed kaolin, quartz, iron oxide, zinc oxide, tin oxide and barium carbonate with percentages shown for transparent glaze, white glaze and brown glaze.

Card 1/2

Production of Facing Tiles in Czechoslovakia

72-2-9/10

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

Card 2/2

MISKULOVICH, L.Ya.

Manufacture of ceramic floor tiles in Czechoslovakia. Stek.  
1 ker. 14 no. 4:30-32 Ap '57. (MLRA 10:5)  
(Czechoslovakia--Ceramic industries) (Tiles)

MISHULOVICH, L.YA.

MISHULOVICH, L.Ya.

Manufacture of ceramic floor tiles at the Boizenburg plant.  
Stek. i ker. 14 no.9:29-3 S '57. (MIRA 10:10)  
(Boizenburg--Ceramic industries)

AUTHOR: Mishulovich, L. I.

72 -58 -3-11/15

TITLE: On the Waste Accumulated With the Manufacture of Tubes From  
Clays of the Artemovsk Deposit (O brak pri izgotovlenii trub  
iz artemovskikh glin)

PERIODICAL: Steklo i Keramika, 1958, Vol. 15, Nr 3, pp. 39-41 (USSR)

ABSTRACT: The burning of sewer pipes is carried out in periodical furnaces in the Khar'kov works. The dimensions of such a furnace are: 9 m of length, 4 m of width, and 3 m of height. The furnace has 12 semigas firings, viz. 6 on each side. (Fuel. Donets-coal type D). The tubes are burnt according to the scheme in figure 1, in which case the cycle lasts for 90 hours, 36 of which for burning and 54 hours for cooling. The maximum burning-temperature amounts to from 115° to 118°. For some time the works operated with clays from the collecting place Chasov-yarskoye, which were used either pure, or mixed with 30 to 40% of clays from the collecting place Artemovka quantitative composition: 70% clay and 30% chamotte. The tubes were of satisfactory quality with a minimum of waste.

Card 1/3

On the Waste Accumulated With the Manufacture of  
Tubes From Clays of the Artemovka

72-58-3-11,15

Recently the works were obliged to pass over to the use of only clays from the collecting place of Artemovsk which resulted in a substantial increase of the burning scrap. The principal kinds of the scrap were: fine, scarcely perceptible cracks (14 to 15% of the production) determinable only by their hollow sound, as well as bubbles and swellings (7 to 8%). The high content of quartz sand should be considered a characteristic feature of the clays from Artemovsk which is the main cause for the large quantity of scrap. It is known from data from literature (G. N. Duderov, reference 1) that the rate of cooling of sintered ceramic masses should not exceed 15° per hour. As may be seen from figure 1 (curve 1), it amounts however up to 30°. A dependence seen from figure 2 consists between the rate of cooling within the temperature interval of from 750 to 500° and the quantity of waste (cracks). It may consequently be determined that the cooling curve of the works for clays from the collecting place Chasov-yarskoya is not adequate for clays from Artemovsk. A new rational cooling curve (figure 1, curve 2) was developed, which reduced the formation of cracks substantially. The remaining bubbles and swellings are formed by violations of the heating regime of the products, as well as by a wrong gas-milieu. The formation of bubbles can be fought as follows: Increasing rate of temperature

Card 2/3

On the Waste Accumulated With the Manufacture of  
Tubes From Clays of the Artemovka

72-58-3-11 15

within the interval of from 240 to 620°, up to 65° per hour,  
within the interval of from 620 to 1150, up to 40° per hour.  
To reduce the maximum burning temperature of from 1180 to 1150°,  
as well as to guarantee a milieu of oxidation in the interval  
of from 800 to 950° in the furnace.  
There are 2 figures, and 1 reference, 1 of which is Soviet.

ASSOCIATION: Khar'kovskiy zavod kanalizatsionnykh trub (Khar'kov Works for  
the Manufacture of Sewer Pipes)

1. Clays--Processing

Card 3/3

15(2)

AUTHOR:

Mishulovich, L. Ya.

S07/72-58-12-T/23

TITLE:

Joint Burning of Ceramic Tiles With and Without Molds in  
Chamber Furnaces (Sovmestnyy beskapsel'nyy i kapsel'nyy  
obzhig keramicheskikh plitok v kamernykh pechakh)

PERIODICAL:

Steklo i keramika, 1958, Nr 12, pp 24 - 26 (USSR)

ABSTRACT:

Burning of tiles in chamber furnaces is exclusively carried out in molds, whereby the unproductive expenditures involved exceed 10% of the production costs of tiles. Both weight and volume of the molds amount to about 5% of the total weight and volume of the chamber. In 1957, the konstruktorsko-issledovatel'skoye byuro Khar'kovskogo zavoda metlakheskikh plitok (Design and Research Office of the Khar'kovskiy Factory for "Metlach" Tiles) carried out numerous experiments on joint burning processes in chamber furnaces with and without molds. The positive results obtained permitted the changing over of chamber furnaces to this burning method in the first three

Card 1/3

Joint Burning of Ceramic Tiles With and Without Molds in SCT/72-38-12-7/23  
Chamber Furnaces

months of 1958. Twice the previously available furnace volume could thus be utilized (Fig 1). The advantage offered by burning piles without molds is the considerable decrease in deformation of the products, a deficiency, however, is the pasting of the single tiles, but this can be prevented by carefully cleaning the tile surfaces after pressing. Table 1 shows the results obtained by examining such a combined burning process. By using the metal container (Fig 2), the conveyance of raw tiles and their placing in the furnace chamber is facilitated. Table 2 shows the technical and economical advantages of the combined burning method. The adoption of it by the Khar'kovskiy zavod metlakhs-kikh plitok (Khar'kov Factory for "Metlach" Tiles) was calculated to cause an yearly saving of 620 000 Roubles. This method is recommended to all those factories that are equipped with chamber furnaces. There are 2 figures and 2 tables.

Card 2/3

Joint Burning of Ceramic Tiles With and Without Molds in SOV/72-58-1 2-7/23  
Chamber Furnaces

ASSOCIATION: Khar'kovskiy zavod metlakhskikh plitok (Khar'kov  
"Metlach" Tile Factory)

Card 3/3

15(2)

AUTHOR:

Mishulovich, L. Ya.

SOV/72-59-2-21/21

TITLE:

Cerami~Floor Tiles (Keramicheskiye plitki dlya polov)

PERIODICAL:

Steklo i keramika, 1959, Nr 2, pp 48-48 (USSR)

ABSTRACT:

This is a discussion of the book mentioned in the title by the abstracter P. P. Budnikov.

Card 1/1

MISHKOVICH, L.Ya.

New press for molding ceramic saggers. Stek. i ker. 19 no.8<sup>1</sup>  
42-44 Ag '62. (MIFA 15:9)  
(Saggers)

MISHULOVICH, L.Ya.; SIRENKO, G.D.

Colored pastes for ceramic tiles. Stek.i ker. 19 no.12:25-27 D  
'62. (MIRA 16)

I. Khar'kovskiy zavod metlanskikh plitok.  
(Clay) (Tiles)

MISHULOVICH, I.Ya.

Rebuilding an old enterprise on new technical grounds. Stek. i ker.  
G2 no.8:35-38 Ag '65. (MIA 18:9)

1. Khar'kovskiy zavod metlakheskikh plitek.

MISHULOVICH, L.Ya.

Pressing large Metlach tiles on automatic presses. Stekliker.  
22 no.10:40 O '65. (MIRA 18:12)

SMIRNOVA, K.N. (Kirov), MISHUL'SKAYA, K.N. (Severodonetsk).

Nurses' councils. Med. sestra 17 no.12:41 D'58 (MIRA II:11)

I. Predsedatel' soveta meditsinskikh sestr (for Smirnova).  
(NURSES AND NURSING)

ACCESSION NR: A24040021

3/0271/64/000/004/A056/A056

SOURCE: Ref. zh. Avtomat., telemeh. i vychisl. tekhn. 3v. t., Abs. 4A332

AUTHOR: Yezulin, S. G.; Lyuberskiy, A. P.; Volkov, I. V.; Mishulin, D. A.

TITLE: Depth telemeter for determining the rate of absorption of drilling

TITLE: Depth manometer for determining the rate of absorption of radioactive fluid in a borehole

CITED SOURCE: Tr. Kuybyshevsk. n.-i. in-t neft. prom-sti, vyp. 17, 1962, 97-105

TOPIC CODE: telcamometer

TRANSLATION: The depth manometer (GMIP-3) which records the rate of absorption permits determining the conditional penetrability of rock and evaluating the efficiency of steps taken to isolate an escape zone. Its operation depends on a frequency telemeter system. An inductive converter is used. Circuit diagrams are given and explained in detail. The results are graphically illustrated. Field

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134710002-2

Bibliography: 4 titles.

SUB CODE: NC

EXCL: 00

Card 1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134710002-2"

AUTHOR: Kichumin, V. A.

TITLE: On the calculation and design of dies with hard alloy inserts for cold  
pressing

SOURCE: Kuznetskoe-shchitovodnoye pravdizvodstvo, No. 1, 1965, p-9

TOPIC TAGS: hard metal, die, tungsten carbide, cold treatment carbon steel,  
pressure working, metal forging, pressure molding

ABSTRACT: In the last few years, hard alloys based on tungsten carbides have been  
used in mass production industry for die inserts instead of ordinary chrome tool

L 39744-65

ACCESSION NO.: AP5013507

formulas are given in the form of Lamé functions for determining the relationships between the stresses, deformations and geometric parameters of the die. The first banding ratio is 1.000, and VISA-UL2A "KHEC" GURCOO banding tool was used for the second banding ratio. The analysis data indicate that the two-layer banding is the optimum system for the die. A further increase in the number of bands does not allow any increase in the working pressure, but only distributes the stresses more evenly along the cross section of the die. A spe-

cial note is made concerning the use of Figures 14 Formulas and 1.

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ASSOCIATION	none	ENCL:	00	SUB CODE:	MM, IE
NO REF Sov:	003	OTHER:	000		
U/C Card 2/2					

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134710002-2"

MISHUNIN, N.P.

Electrode-contact liquid level indicator. Sakh.prom. no.4:  
25-26 Ap '60. (MIRA 13:8)

1. Kontrol'no-izmeritel'nyye pribory Ramonskogo sakharnogo  
zavoda.  
(Liquid level indicators)

L 23054-66 EWT(d)/EWT(m)/EWP(w)/EWP(c)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(l)/  
ACC NR: AP5028993 ETC(m)-6 JD/HW/DJ SOURCE CODE: UR/0182/65/000/009/0001/0006

AUTHOR: Izachenkov, Ye. I.; Mishunin, V. A.

ORG: none

TITLE: Prospects for intensifying the processes of cold pressing

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 9, 1965, 1-8

TOPIC TAGS: cold forging, metal pressing, lubricant, extrusion, plasticity, material deformation, metallurgic research

ABSTRACT: Despite its great promise, the cold-pressing (extrusion) process still is not employed on an adequate scale in machine building, particularly in the fabrication of parts from high-strength nonferrous and ferrous alloys. This problem can be resolved by accomplishing the following tasks: 1. Development of a hydrodynamic lubricating regime and the elimination of the considerable energy losses due to galling. The hydrodynamic theory of friction makes possible a sufficiently complete description of the basic patterns of the effects accompanying various conditions of cold forging. 2. Uniform propagation throughout the blank of the conditions of flowage arising in the surface layer of the blank during forming; this is accomplished by compressing the blank so that the hydrostatic pressure in the zones of free flowage of the material would be commensurate with the deformation resistance of the material of the

UDC: 621.983.1

Card 1/2

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L 23054-66

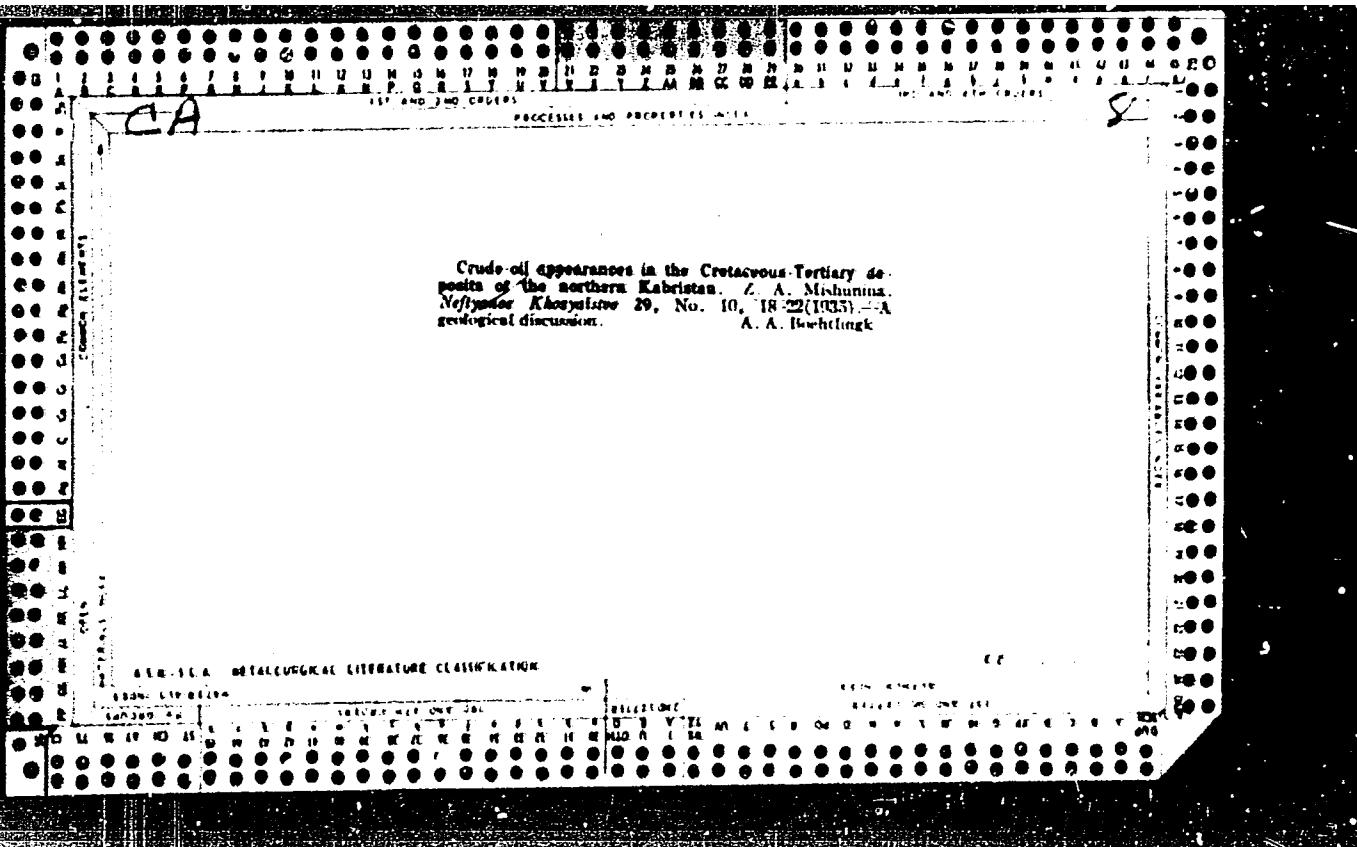
ACC NR: AP5026993

2

blank. 3. Selection of an optimal blank-forming regime corresponding to a minimum of the required forming energy. Each of these conditions is extremely effective in intensifying the various processes of cold forming, but the maximum effect in forming high-strength and low-plasticity metals and alloys can be produced only if all three conditions are simultaneously satisfied. Processes for which all three conditions may be satisfied are exemplified by cold forming with counter-pressure by a solid or, particularly, a liquid. Thus, the main trend in the intensification of cold-pressing processes should be based on the regulation (with the aid of lubricants of optimal viscosity) of the forces of contact friction, the development of optimal stress-strain diagrams and the selection of energetically optimal cold-forging regimes. Orig. art. has: 10 figures and 1 table.

SUB CODE: 11, 13, 20/ SUBM DATE: none/ ORIG REF:007/ OTH REF: 000

Card 2/2 PW



"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710002-2

MISHUNINA, Z.A.

"The Direction of the movement of Sediments in Ancient  
Underwater Slides," Dok. An., 70, No. 4, 1950.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710002-2"

BOGDANOV, A.A. (SSSR); SLAVIN, V.I. (SSSR); KSIAZKIEWICZ, M. (Pologne);  
VARENTSOV, M.I. (SSSR); WDOWIARZ, St. (Polska); PASHCHENKO, Ya.Ye.  
(SSSR); MISHUNINA, Z.A. (SSSR); ZIELINSKI, J. (Polen)

Participation in discussions. Mat.Karp.-Balk.assots. no.1:190-207  
'60. (Geology) (MIRA 14:12)

MISHUNINA, Z.A.

Some types of gravity deformations in terrigenous flysch.  
Trudy VNIGRI no.163:501-513 '60. (MIRA 14:6)  
(Flysch)

MISHURA, V.I.

Congenital heart defects in dextrocardia. Pediatrifa no.3:12-16  
My-Je '55. (MLRA 8:10)

L. Iz 2-y kliniki fakul'tetskoy khirurgii (nach-deystviteľnyy  
chlen Akademii meditsinskikh nauk SSSR zasluzhennyy deyatel'  
nauki prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina  
akademii imeni S.M Kirova.

(CARDIOVASCULAR DEFECTS, CONGENITAL  
dextrocardia with congen.heart failures 7n & situs  
inversus)

MISHURA, V.I., podpolkovnik meditsinskoy sluzhby; GADZHIYEV, S.A., kandidat meditsinskikh nauk, major meditsinskoy sluzhby; KUTUSHEV, P.Kh., kandidat meditsinskikh nauk

Some problems in heart surgery. Voen. med. zhur. no.10:10-16.0 '56.  
(HEART--SURGERY) (MIRA 10:3)

GADZHIYEV, S.A., kandidat meditsinskikh nauk (Leningrad, V.O., 1-ya liniya, d.18, kv. 32); MISHURA, V.I.

Diagnosis and treatment of Lutembacher's syndrome [with summary in English, p.157] Vest.khir. 77 no.7:15-23 JL '56. (MLRA 9:10)

I. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach. - prof. P.A.Kupriyanov) Vozanno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.

(CARDIOVASCULAR DEFECTS, CONGENITAL,  
diag. & surg.)

MISHURA, V. I.

GRIGOR'YEV, M.S., professor (Leningrad, K-9, ul. Smirnova, d.8, kv.36);  
MISHURA, V.I.

Transventricular pulmonary valvulotomy and infundibulotomy in some  
congenital cardiac defects [with summary in English, p.158]. Vest.  
khir. 78 no.5:35-45 My '57. (MLHA 10:7)

I. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach. -  
prof. P.A.Kupriyanov) Vojenno-meditsinskoy ordena Lenina akademii  
im. S.M.Kirova.

(CARDIOVASCULAR DEFECTS, CONGENITAL, surg.  
infundibulotomy & transventric. pulm. valvulotomy, review)

BURMISTROV, M.I.; MISHURA, V.I.; PISAREV, Yu.P.; RUKHIMOVICH, G.S., kand.med.  
nauk (Leningrad, Liteynyy pr., d.28, kr.8)

Complications in cardiac catheterization and angiography. Vest.  
khir. 83 no.9:25-30 S '59. (MIRA 13:2)

I. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nachal'-  
nik - prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina aka-  
demii im. S.M. Kirova.  
(HEART CATHETERIZATION, compl.)  
(ANGIOPHOTOGRAPHY, compl.)

KUPIRIYANOV, P.A.; BLESTKINA, T.G.; IZBINSKIY, A.L.; MISHURA, V.I.

"Physiological methods in clinical practice." Vest. AMN SSSR 15  
no. 10:87-89 '60. (MIRA 14:4)

(MEDICINE, CLINICAL)

KUPIRIYANOV, P.A.; BURMISTROV, M.I.; KATUSHEV, F.Kh.; MISHURA, V.I.

Causes of unfavorable outcome in the surgical correction of some  
congenital heart defects. Khirurgia 36 no.7:3-9 Je '60.  
(MIRA 13:12)

(HEART--SURGERY)

KUPRIYANOV, Petr Andreyevich, prof., Laureat Leninskoy premii;  
MISHURA, Vladimir Ivanovich; OGLY, I.A., red.;  
~~GOSTOULLINA, A.S., tekhn. red.~~

[Heart defects and their surgical treatment] Peruki serdtsa i  
ikh khirurgicheskoe lechenie. Leningrad, Medgiz, 1961. 66 p.  
(MIRA 15:2)

(HEART--DISEASES) (HEART--SURGERY)

KUPIRIYANOV, P.A.; KOLESOV, A.P., prof.; KUTUSHEV, F.Kh., doktor med.nauk;  
BURMISTROV, M.I., kand.med.nauk; MISHURA, V.I., kand.med.nauk

Surgical treatment of congenital heart defects. Vop. okh. na<sup>z</sup>.  
1 det. 6 no.12:11-17 D '61. (MIRA 15:3)

1. Iz kliniki khirurgii dlya usovershenstvovaniya vrachey  
(nachal'nik - prof. P.A. Kupriyanov) Voyenno-meditsinskoy  
ordena Leningra akademii imeni S.M. Kirova. 2. Deystvitel'nyy  
chlen AMN SSSR (for Kupriyanov).  
(HEART--SURGERY)

DOMBROVSKAYA, Yu.F., prof.; ZHUKOVSKIY, M.A., starshiy nauchn.sotr.;  
KUTUSHEV, F.Kh., doktor med.nauk; LEBEDEV, D.D., prof.;  
MASLOV, M.S., prof.[deceased]; ~~MTSHURA, V.I.~~, kand.med. nauk;  
OSINOVSKIY, N.I., prof.; SHAMSIYEV, S.Sh., prof.; ROGOV, A.A.,  
red.; CHUYEVA, L.F., red.; BUL'DYAYEV, N.A., tekhn. red.

[Multivolume manual on pediatrics] Mnogotomnoe rukovodstvo po  
pediatrii. Moskva, Medgiz. Vol.3. 1962. 586 p. (MIRA 15:9)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for  
Dombrovskaya, Maslov).

(PEDIATRICS)

MISHURA, V.I. (Leningrad, ul. Smirnova, d.8 kv.53)

Isolated stenosis of the pulmonary artery. Grud. khir. I no.2<sup>st</sup>  
45-52. Mr-Ap '59. (MIRA 16:7)

I. Iz khirurgicheskoy kliniki usovershanstvovania vrachey No.1  
(nachal'nik - prof. P.A.Kupriyanov) Vojenno-meditsinskoy ordena  
Lenina akademii imeni S.M.Kirova.

(PULMONARY ARTERY--DISEASES)

MISHURA, V.I. (Leningrad, K-9, Lesnoy pr., d.4, kv.79)

Three cases of the removal of large benign tumors. Vop.onk.  
9 no.2:103-106'63. (MIRA 16:9)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey no.1  
(nachal'nik prof. P.A.Kupriyanov, Voyenno-meditsinskoy ordena  
Lenina akademii imeni Kirova.  
(TUMORS) (SURGERY, OPERATIVE)

MISHURA, V.I. (Leningrad, lesnyy pr., d.4, kv.79)

Surgical treatment of so-called tetralogy of Fallot. Vest.  
khir. 90. no.2:81-86 F'63. (MIRA 16:7)

1. Iz 1-y khirurgicheskoy kliniki usovershenstvovaniya vrachey  
(nachal'nik - prof. P.A. Kupriyanov) Voyenno-meditsinskoy or-  
dona Lenina akademii imeni Kirova.  
(TETRALOGY FALLOT) (HEART—SURGERY)

MISHURA, V.M.

Solicitude shown for the living conditions of track workers. Put'  
i put.khoz. 5 no.9:41 S '61. (MIRA 14:10)

1. Starshiy inzh. distantsii, stantsiya Kurgan, Yuzhno-Ural'skoy  
dorogi.  
(Ural Mountain region--Railroads--Employees)  
(Labor and laboring classes--Dwellings)

MISHURENKO, A. G.

Grafting

New temperature regime in the stratification of grafting. Vin. SSSR, 12, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952 UNCLASSIFIED.

MISHURENKO, A. G.; PRESLER, R. I.

Grafting

Stratification of graft stock shoots before grafting. Vin. SSSR 13, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

SEARCHED

INDEXED  
SERIALS PLANTS. TROUB. BERNARD, KIEV, USSR.

AUTH. JOHN: 1922-24, Kharkov, No. 5, 1951, no. 29436

AUTHOR: Makarenko, A.G.

INST.: Ukrainian Inst. of Viticulture and Wine Making

TITLE: Winter Grafting of the Grape Vine.

VIN. PL.: Vinodeliye i vinozadarstvo SSSR, 1958, No.2, 16-19

ABSTRACT: Experiments made by the Ukrainian Institute of Viticulture and Wine Making in 1930-1953 have shown that extensive storage of the winter grafts can be made only after stratification, where an intermedial tissue forms in injured places and preservation is combined with hardening. The preservation of the grafts before stratification produced deep-seated dying of the live elements of the bark and wood and hindered the coalescence of the

FILED: 1/3

COMMODITY :

AGRICULTURE : Cultivated Plants.

N

REF. SOURCE: J. of Microbiology, Nov. 5, 1979, No. 20585

Author:

Editor:

Transl.

ORG. PC9.5

ABSTRACT : graft and stock. The best method of preparing cutting of stock for winter grafting is by stratification of the top cuttings at 20-22° for 5-8 days, the temperature when the cuttings are laid in this process should not be higher than 7-10°. A beneficial effect was also produced by soaking the top stock cutting in a 0.05% heterauxin solution for 22 hours. The stratification of winter grafts should be performed under the same conditions under

CRED : 2/3

REMARKS : M  
SUBJECT : Cultivated Plants.  
NAME, JOUR : Ag. zhurn. "Sel'skogosp.", No. 5, 1959, Sov. 20466  
AUTHOR :  
FMT. :  
TITLE : f

SEARCHED, INDEXED

CONTENT : which ordinary grafts are stratified, althought to accelerate the heating up of the boxes, the air temperature should be kept no lower than 27-28°. Hardening with simultaneous preservation is performed in earth trenches under the nursery frames at 12-15° at the place of joining and at 8-10° at the base of the stock.  
--I.S.Fortunatov

REF ID: 5/5

COPIES : USSR  
COUNTRY : Cultivated plants. Botanic, Botanical  
AND. ULR. : Ref. Zhen + Biologich. Nauk., 1949,  
AUDOR : Michurin, A.G.  
TITLE : Ukr. i Russ. Rezonansni Vitericulture and Wine  
SUBJ : The work of S.A. Michurin in the field of  
selecting grain planting materials.

OPIC. IUR. : Syrki, nauchno-tehn. inform. Ukr. na.  
Inst. vodorazvedaniya i vodoplyva, 1952, No. 4, 32-1  
REFID: 14K 2001 01

1. "Makino"

OPIC: 2/2

185

COUNTRY	: USSR
CATEGORY	: Cultivated Plants. Fruits. Berries.
APS. JOUR.	: RZhBiol., No. 23 1958, No. 104,839
AUTHOR	: Mishurenko, A. G.
INST.	: URGENTINE Scientific Research Institute of Viticulture *)
TITLE	: Technological Scheme for Stratification and Hardening of Grapevine Grafts in the Conditions of a Standard Greenhouse.
ORIG. PUB.	: Syul. nauchno-tekhn. inform. Ukr. n.-i, in-t vinozrebarstva i vinogradniny, 1958, no. 4, 26-28
ABSTRACT	: No abstract.

\*) and Wine Making

CARD: 1/1

MISHURENKO, Aleksandr Gerasitovich

[Grapevine nursery] Vinogradnyi pitomnik. Moskva, Izd-vo sel'-khoz.lit-ry, 1959. 263 p. (MIRA 14:12) (Viticulture)

MISHURENKO, A. G.

Doc Agr Sci - (diss) "Theory and practice of raising grafted grape planting material in the Ukrainian SSR." Odessa, 1961. 39 pp; (Ministry of Agriculture Georgian SSR, Georgian Order of Labor Red Banner Agricultural Inst); 200 copies; price not given; list of author's works on pp 38-39 (24 entries); (KL, 5-61 sup, 196)

MISHURENKO, A.G.

[Cultivation of grafted nursery stock of grapes in the  
Ukrainian S.S.R.; theory and practice] Vyrashchivanie  
privitykh sazhentsev vinograda v Ukrainskoi SSR; teoriia  
i praktika. Kiev, Gos.izd-vo sel'khoz.lit-ry USSR,  
1962. 228 p. (MIRA 17:10)

MISHURENKO, Aleksandr Garasimovich

[Grape nursery] Vinogradnyi pitomnik. Izd.2., perer. i  
dop. Moskva, Kolos, 1964. 342 p. (MIRA 18:4)

BULGAROV, Il'ya Ivanovich, pitomnikovod; MISHURENKO, Aleksandr Gerasimovich, doktor sel'skogo nauk; VINITSKIY, S.P., red.

[Growing grafted grapevine seedlings; from work practices on the Suvorov State Farm, Odessa Province] Vyrischchivanie privitykh vinogradnykh sazhentsev; iz opyta raboty sovkhoza imeni Suvorova Odesskoi oblasti. Odessa, Maiak, 1965. 81 p.  
(MIRA 18:12)

1. Zamestitel' direktora Ukrainskogo nauchno-issledovatel'skogo instituta vinogradarstva i vinodeliya imeni Tairova (for Mishurenko). 2. Sovkhoz imeni Suvorova Odesskoy oblasti (for Bulgarov).

MISHURIN, A.

How we evaluate the quality of arable land. Zemledelie 27  
no.10:60-62 O '65. (MIRA 18:10)

1. Glavnyy agronom Yuzhno-Podol'skogo sovkhoza, Omskoy oblasti.

MISHURIN, V.M., podpolkovnik med. sluzhby

Investigation of neuroses in aviators. Voen. med. zhur. no.2:62-67  
F '59. (MIRA 12:7)

(AVIATORS, dis.  
neuroses (Rus))  
(NEUROSES, case reports  
in aviators (Rus))

MISHURIN, V.M., podpolkovnik meditsinskoy sluzhby

Study of the individual psychological features of aviators and  
aviation medical examinations. Voen.-med.zhur. no.10:46-48 O '59.  
(MIRA 13:3)

(AVIATORS, psychol.)  
(PSYCHOLOGICAL TESTS)

MISHURIN, V.M., podpolkovnik meditsinskoy sluzhby

Psychological study of fliers' mistakes and expert evaluation in  
aviation medicine. Voen-med. zhur. no.7:60-63 J1 '61.

(MIRA 15:1)

(AVIATION MEDICINE) (AERONAUTICS, MILITARY PSYCHOLOGY)

SPIVAK, G. V.; SHISHKIN, B. B.; LUKYANOV, A. Ye.; MISHURINA, K. A.

"Über das quantitative Studium der Emitter mittels eines Hochvakuum-Emissionsmikroskopes."

report submitted for 3rd European Regional Conf, Electron Microscopy, Prague,  
26 Aug-3 Sep 64.

MISHURINSKIKH, G. P.

pa 751.4

USER/Engineering  
Tools, Machine  
Machines, Milling

Jan 1948

"Pneumatic Semiautomatic Machine Tool for Cutting  
Grooves in Thin-Walled Parts," P. G. Belyayev and  
G. P. Mishurinskikh, 1 p

"Stanki i Instrument" No 1

Describes semiautomatic pneumatic machine designed to  
replace obsolete method of using a horizontal miller  
for notching thin walled parts. New machine is  
easier to operate and cuts production time to 1/16 of  
time required for notching by milling method.

LC

751.4

MISHURINSKIY, A. N.

USSR/Engineering - Stress Analysis Machines, Testing

Jan 50

"Universal Machine for Micromechanical Tests at Various Temperatures," S. P. Yur'yev,  
S. Ye. Rechitskaya, A. N. Mishurinskiy, 8 pp

"Zavod Lab" Vol XVI, No 1

Describes new testing machine with mechanical drive and photographic recording of  
diagram and deformations. Machine is designed for using tensile test specimens of  
1.5-mm diameter with gauge length of 7.5 mm and over-all length of 16 mm.

FA 159T16

MISHURIS, A. I.

ROZOVSKIY, L.D., inzhener; MISHURIS, A.I., inzhener; CHERDYNTSEV, D.V.,  
inzhener.

Making slag pumice in a centrifugal apparatus. Strof.prom. 32 no.5:36-39  
My '54. (MIRA 7:6)

1. Trest Magnitostroy. (Slag cement)

ROZOVSKIY, L.D., inzh.; MISHURIS, A.I., inzh.; KOLOMIYETS, V.A., inzh.

Jet apparatus for making slag pumice. Strof.mat. 6 no.4:  
17-19 Ap '60. (MIRA 13:6)  
(Slag) (Jets--Fluid dynamics)

DOBROSEL'SKIY, Konstantin Mikhaylovich; ALEXSEYEV, V.D., retsenzent;  
MISHURIS, B.I., retsenzent; STARTSEV, A.N., retsenzent; SUR-  
ZHEN, S.N., retsenzent; MANYUKOV, G.S., inzh., red.; BOBROVA,  
Ye.N., tekhn. red.

[Maneuvering in railroad stations] Manevry na zheleznodorozhnykh  
stantsiiakh. Izd.2., perer. i dop. Moskva, Vses. izdatel'sko-  
poligr. ob"edinenie M-va putei soobshcheniya, 1961. 207 p.

(MIRA 14:11)

(Railroads—Stations)

DUYEV, A.M.; MISHURIS, I.Ya.; IOFINOVA, TS.B., red.; TRUSOV, N.S.,  
tekhn. red.

[Manufacture of buttons from synthetic materials] Proiz-  
vodstvo pugovits iz sinteticheskikh materialov. Moskva,  
Gosbytizdat, 1963. 145 p. (MIRA 17:2)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710002-2

MISHURIS, I., inzh.; POPOVSKI, A., ekonomist

Polymers in construction. Zhil. stroi. no.10:16-18 '84.  
(MIRA 12:4)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134710002-2"

GONCHARENKO, V., tekhnicheskiy inspektor; SOLOV'YEV, L.; LIKONT, G.; SEROVA, I.; GOLUB', T.; MEDVEDEV, L.; PEKISHEV, V.; ANISIMOV, P.; ASTASHEVA, V.; DOSHCHATOV, V.; SERGEYEV, V.; YUOZAPAVICHYUS, L. [Juozapavicius, L.]; MISHURIS, M.; VORONTSOV, N.; BOCHKAREV, G.

Readers' conference by correspondence. Okhr. truda i sots. strakh. 5 no.5:31-32 My '62. (MIRA 15:5)

1. Tekhnicheskiye inspektora Omskogo oblastnogo soveta profsoyuzov (for Solov'yev, Likont, Serova, Golub', Medvedev).
2. Tekhnicheskiy inspektor respublikanskogo soveta profsoyuzov, Turkmenская SSR (for Pekishev). 3. Zaveduyushchiy otdelom sotsial'nogo strakhovaniya Tyumenskogo oblastnogo soveta professional'nykh soyuzov (for Doshchatov). 5. Zaveduyushchiy yuridicheskoy konsul'tatsiyey Arkhangelskogo soveta professional'nykh soyuzov (for Sergeyev). 6. Zaveduyushchiy otdelom okhrany truda Litovskogo respublikanskogo soveta professional'nykh soyuzov (for Yuozapavichyus). 7. Zaveduyushchiy yuridicheskoy konsul'tatsiyey Luganskogo oblastnogo soveta professional'nykh soyuzov (for Mishuris). 8. Zaveduyushchiy otdelom sotsial'nogo strakhovaniya Smolenskogo oblastnogo soveta professional'nykh soyuzov (for Vorontsov). 9. Predsedatel' komissii okhrany truda Barnaul'skogo motornogo zavoda (for Bochkarev).

(Industrial hygiene--Periodicals)

MISHURNAYA, M.V.

Adaptability of a "Ural-1" computer to a two-program way of  
operation. Vestsi AN BSSR. Ser. fiz.-tekhn. nav. no.4:34-40  
'63. (MIR 17:12)

L 06359-67 EWP(k)/EWT(d)/EWP(h)/EWP(1)/EWP(v) LJP(c) CG/HB/GD  
ACC NR: AT6015358 SOURCE CODE: UR/0000/65/000/000/0010/0014

AUTHOR: Mishurnaya, M. V.

54  
13+1

ORG: none

TITLE: Multi-terminal computer (6)

SOURCE: AN BSSR. Institut tekhnicheskoy kibernetiki. Vychislitel'naya tekhnika (Computer engineering). Minsk, Nauka i tekhnika, 1965, 10-14

TOPIC TAGS: computer control system, computer input unit, computer output unit, computer switching, digital computer system, computer technology, remote control system

ABSTRACT: A computer time-sharing/Minsk-2 computer system based on multiple input-output terminals is described. The author proposes the replacement of electro-mechanical or manual desktop calculators by remote user terminals, which would permit routine processing of numerical data, e.g., during the preparation of computer programs. Two methods are proposed which in essence amount to "on-line" and "off-line" data-processing. The first method consists of preparing a punched tape on the remote terminal and then using this tape as an input to the computer; the second method, described in more detail involves the use of teletypewriters linked through suitable buffers to the input terminal of the computer. As an example a multi-terminal system, the Minsk-2 computer equipped with several remote I/O terminals is described and its efficiency in calculating a number of simple mathematical functions is compared to the electro-mechanical

Card 1/2

L 96359-67

ACC NR: AT6015358

calculators. For example, the calculation of any trigonometric function (including data entry and answer print-out) requires only 5-6 seconds, whereas simple multiplication requires 4-5 seconds on a desktop calculator. The economic advantages of multi-terminal computer operation will no doubt make its use widespread in the future. Orig. art. has: 1 table.

SUB CODE: 09/ SUBM DATE: 15Dec65/ ORIG REF: 000/ OTH REF: 000

Card 2/2 MLE

L 06360-67 EWP(k)/EWT(d)/EWP(h)/EWP(l)/EWP(v) IJP(c) OG/BB/CD  
ACC NR: AT6015359 SOURCE CODE: UR/0000/65/000/C00/0014/0020

AUTHOR: Mishurnaya, M. V.

54  
53  
13+1

ORG: none

TITLE: Certain timing characteristics of a multi-terminal computer 16

SOURCE: AN BSSR. Institut tekhnicheskoy kibernetiki. Vychislitel'naya tekhnika (Computer engineering). Minsk, Nauka i tekhnika, 1965, 14-20

TOPIC TAGS: computer control system, computer input unit, computer output unit, computer switching, digital computer system, computer technology, remote control system

ABSTRACT: The present paper is a sequel to one entitled "The Multi-terminal Computer" by the same author contained in the same publication. Each terminal is an input/output teletypewriter linked to a buffer section in the main unit. An interrupt subroutine in the computer is initiated from the input buffer when new data are fed from one of the terminals or when the results of calculations are to be transmitted back to a particular terminal. This subroutine contains provisions for a delay and certain priority decisions to allow for an orderly processing of information by the computer. The time required for a processing of a problem originating from a terminal can be calculated as follows:  $t_{term}^{(l)} = \frac{t_{10,2}l + t' + t'' + t_{2,10}}{\tau(l+1) + t_{10,2}l + t' + t'' + t_{2,10} + \tau_1}$ .

Card 1/2

L 06360-67  
ACC NR: AT6015359

where  $\tau$  is the transmission time of one nine-digit BCD number from the terminal into the buffer, including the manual entry on the keyboard, providing that such transmission occurs simultaneously with the entry,  $\tau_1$  is the transmission time of the results from the buffer to the terminal,  $t_{10+2}$  is the conversion time from decimal into BCD code,  $t_{2+10}$  is the conversion time from BCD into decimal,  $t''$  is the time for the actual solution of the problem by the computer,  $t'$  is the duration of the interrupt subroutine,  $l$  is the number of the initial variables at the terminal. For the Minsk-2 computer,  $T_{term}^{(l)}$  for an arithmetical problem containing one variable is 30.87 seconds (calculation of elementary mathematical functions), two variables--29.88 seconds, and five variables--32.13 seconds. The variation of  $T_{term}^{(l)}$  as a function of the number of terminals.

minals, and the delay time for the simultaneous operation of several terminals are also analyzed and the appropriate formulas are given. All derived expressions are valid for any multi-terminal computer system. The operation of an installation in which the I/O terminals are arranged in groups is discussed and its advantages are pointed out. In this system several terminals time-share a single communication line and a single section for the input buffer. Orig. art. has: 16 formulas, 4 tables.

SUB CODE: 09/ SUBM DATE: 15Dec65

Card 2/2 M&E

MISHURNYY, G.G., polkovnik, voyenny Lutchik-instruktor pervogo klassa

Weather reconnaissance during the day and night. Vest.Vozr.FL.  
no.5:42-48 My '60. (MIRA 13:7)  
(Aeronautics in meteorology)

MISHURMY, G.G., polkovnik, voyannyy letchik-instruktor pervogo  
klassa

The trainee lands with a stalled engine. Vest.Vozd.Mi.  
no.7:57-63 J1 '60. (MIRA 13:7)  
(Jet planes—Landing)

MISHURNYY, G.G., polkovnik, voyennyy letchik pervogo klassa; DMUTRIYEV,  
V.E., podpolkonik

From frontier to frontier. Vest.Vozd.Fl. no.8:55-40 Ag '61.  
(MIRA 14:8)  
(Aeronautics, Military—Study and teaching)

G.  
MISHURNYY, G., polkovnik, voyenny, letchik-instruktor pervogo klassa  
The mistake of airman, A. Gladchenko. Vest. Vozd. Fl. no.12:  
58-60 D '61. (MIRA 15:3)  
(Airplanes, Military—Landing)

MISHUROV, A.

School construction lot. Prof.-tekhn. obr. 19 no. 6:17 Je '62.  
(MIRA 15:7)  
1. Direktor stroitel'nogo uchilishcha No.15, Kemerovskaya  
oblast'.  
(Building trades--Study and teaching)

MISHUROV, B.

Micromethod for determining gases in the blood. Zdrav. Bel. 6  
no.12:27-32 D '60. (MIRA 14:1)

1. Kafedra obshchey khimii Minskogo medinstituta (zav. kafedroy -  
dotsept V.A. Bandarin).  
(BLOOD, GASES IN)

MISHUROV, E.A.

Volumetric apparatus without mercury for microdetermination of  
the content of gases in the blood. Lab. delo no.10:579-587 '64.  
(MIRA 17:12)

1. Kafedra obshchey khimii (zaveduyushchiy - dotsent V.A.  
Bandarin) Minskogo meditsinskogo instituta.

MISHUROV, E.A.

Prevention of errors in the study of gas content of the blood.  
Lab. delo no.10:587-589 '64. (MIRA 17:12)

1. Kafedra obshchey khimii Minskogo meditsinskogo instituta.

FROLOV, A.; MISHUROV, H.; GORODNICHENKO, I.; ZAGORUYKO, M.; AMETSHAYEV, I.

The virgin lands should have fully qualified machine-operating personnel.  
Prof.-tekh. obr. 18 no.1:1-2 Ja '61. (MIRA 14:2)

1. Direktor Uchilishcha mekhanizatsii sel'skogo khozyaystva No.35  
Severo-Kazakhstanskoy oblasti (for Frolov). 2. Direktor Uchilishcha  
mekhanizatsii sel'skogo khozyaystva No. 47 Tselinnogo kraya (for  
Mishurov). 3. Direktor Uchilishcha mekhanizatsii sel'skogo khozyaystva  
No.13 Zapadno-Kazakhstanskoy oblasti (for Gorodnichenko). 4. Direktor  
Uchilishcha mekhanizatsii sel'skogo khozyaystva No. 76 Kustanayskoy  
oblasti (for Zagoruyko). 5. Direktor Uchilishcha mekhanizatsii sel'-  
skogo khozyaystva No.23 Alma-Atinskoy oblasti (for Ametshayev).

(Kazakhstan—Farm mechanization—Study and teaching.)

FOMENKO, V.Yu.; SHCHERBAKOVA, K.F.; ANISTRAT, N.D.; MISHUROV, Ye.M.

New data on the interrelations between the rocks of the middle  
and upper series in the Krivoy Rog Basin. Dokl.AM SSSR 108 no.3:  
535-537 My '56. (MLRA 9:8)

I. Predstavleno akademikom A.G. Belykhinym.  
(Krivoy Rog--Rocks)

TOKHTUYEV, G.V., gornyy inzh.; BORISENKO, V.G., gornyy inzh.;  
MISHUROV, Ye.M., gornyy inzh.

New rock strength indicator and its manufacture in the mine.  
Ugol' Ukr. 6 no.6:37 Je '62. (MIRA 15:7)  
(Rocks--Testing)

L 53997-65  
ACCESSION NR: AP5017373

UR/0020/65/160/004/0960/0963

AUTHOR: Kugatova-Shemyakina, G. P.; Ushakova, V. F.; Rudenko, V. A.; Smirnova, G. P.;  
Grechuhnikov, A. I.; Mishurovskaya, L. M.; Agakishiyev, D. A.; Fen'kov, L. A.

TITLE: New growth stimulators

SOURCE: AN SSSR. Doklady, v. 160, no. 4, 1965, 960-963

TOPIC TAGS: plant development

Abstract: Compounds from the following groups were synthesized by the authors and found to be highly active as plant growth stimulators: delta-3-cyclohexenyl- and cyclohexylbutanones, delta-3-cyclohexenylbutenes, cyclohexylbutanes, and cyclohexylbutenones. The authors were particularly interested in determining the relationship between the structure and degree of activity of the compounds. Laboratory and field tests on the potato showed: (1) compounds of the cyclohexene series were more active than the corresponding compounds of the cyclohexane series; (2) the introduction of a methyl group into the ring, especially in position 2 or 6, significantly increased the activity of the compound; (3) the substitution of a phenyl for a methyl group increases the activity even more; (4) the introduction of a second methyl

Card 1/2

L S3997-65  
ACCESSION NR: AP5017373

group into the ring not only does not increase the activity of the compound, it may even decrease it; (5) growth stimulation also depends on the spatial structure of the molecule. Orig. art. has 6 tables.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences, USSR); Institut kartofel'nogo khozyaystva, Akademii nauk TurkmenSSR (Institute of Potatoe Growing, Academy of Sciences TurkmenSSR); Institut botaniki, Akademii nauk TurkmenSSR (Institute of Botany, Academy of Sciences TurkmenSSR); Institut ovoshchnogo khozyaystva, Akademii nauk TurkmenSSR (Institute of Vegetable Growing, Academy of Sciences, TurkmenSSR).

SUBMITTED: 02Jun64

INCL: 00

SUB CODE: LS, OG

NR REF Sov: 004

OTHER: 001

JPRS

Code 2/2  
Card

MISHUSTIN, A., gvardii inzh.-mayor.

Don't only teach, but also train. Komm. Vozruzh. Sil 5 no. 23 i 32-36 D 164.  
(MIRA 18:1)

L 18553-66 EMT(1)/EWA(h)

ACC NR: AP6002302

(N)

SOURCE CODE: UR/0141/65/008/006/1178/1186

AUTHOR: Mishustin, B. A.

ORG: Moscow Power-Engineering Institute (Moskovskiy energeticheskiy institut)

TITLE: Radiation from the aperture of a circular waveguide with infinite flangeSOURCE: IVUZ. Radiofizika, v. 8, no. 6, 1965, 1178-1186<sup>25</sup>

TOPIC TAGS: electromagnetic radiation, circular waveguide, waveguide antenna

ABSTRACT: A formula is developed for the factor of reflection of  $TE_{11}$ -mode by the aperture of a circular waveguide equipped with an infinite flange; a stationary equivalent admittance of the aperture for the above mode is considered. This technique obviates an extremely difficult solution of the Fredholm first-kind integral equation, yet provides a fairly accurate answer. The problem is important for waveguide-type antenna design. An integral equation for the tangential component of the vector of electric-field strength in the aperture is set up. By using the above technique, formulas for a general case are obtained which allow for different dielectric constants within and without the waveguide. The formula for the reflection factor permits simple measurement of the external medium parameters on the basis of the field distribution within the waveguide. Orig. art. has: 6 figures and 37 formulas.

SUB CODE: 09 / SUBM DATE: 03May65 / ORIG REF: 002 / OTH REF: 001

Card 1/1 7/12 S

UDC: 621.372.812

MISHUSTIN, D. D.

MISHUSTIN, D. D. "The effect of certain conditions of mineral supply on the resistance of potato foliage to frost", Sbornik nauch.-issled. rabot (Azovo-Chernomor. s.-khoz. in-t), XII, 1948, p. 13-23, - Bibliog: 20 items.

SO: U-4393, 19 August 53, (Lektoris 'Zhurnal 'nykh Statey', No. 22, 1949).

MISHUSTIN, D.D.

USSR/Cultivated Plants - Grains

M-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1510

Author : P.S. Buntovaya, N.V. Voytenco, G.V. Zhukov, A.I. Milovzorov,  
F.A. Mironchenko, D.D. Mishustin, Ya.Kh. Khairullin

Inst : Not Given

Title : Experiments with Corn

Orig Pub : Sb. nauchno-issled. rabot. Azovo-Chernomor, c.-kh. in-t,  
1956, 14, 5-18

Abstract : In 1955 there was a study of methods of harvesting corn in the Rostovskaya and Kamenskaya Oblasts. Preliminary results of the tests while working the soil according to the Mel'tsev method have shown an increase in the yield of cobs to 15 centners per hectare. The favorable effect of beeding the prop roots of VIR-42 corn with solutions of urea (1%) and of ammonium sulfate (1%) (plant feeding improved, ripening was considerably accelerated and the yield increased). The prop root supplemental of feeding  $P_C$  (1 : 10) caused some scorching of the corn leaves. Treating the seeds with microelements and concentrations of  $MnSO_4$  0.08%,  $ZnSO_4$  0.04% has also increased

Card : 1/2

USSR/Cultivated Plants - Grains

M-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1510

the yield. The best results were obtained with the double  
interlinear hybrid F<sub>1</sub> - Rostovskiy.

Card : 2/2

AUTHOR: Mishustin, I.A.

SOV/120-59-2-32/50

TITLE: A Circuit for Taking Powers (Ob odnoy skheme  
potentsirovaniya)

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 2,  
pp 115-116 (USSR)

ABSTRACT: The voltage-current characteristic of a diode is often used for taking the logarithm of an analogue quantity in order to compress a dynamic range. The circuit of Fig 1 may be employed for the inverse operation of taking anti-logarithms of analogue quantities. It is based on the relationship, described in Ref 2, between the grid current and anode voltage for a pentode with negative anode supply and positive grid bias. With a 6SK7 valve for example, a useful 12-15 db range is available. Fig 2 shows the performance of the Soviet 6K3 valve. The output is a voltage across a series grid resistor which should not exceed 3-5 kilohms. A useful ambit of 60 db can be obtained, the maximum voltage being about 0.2 V. It is a disadvantage of the circuit that this level cannot be much exceeded.

Card  
1/2

A Circuit for Taking Powers

SOV/120-59-2-32/50

There is also considerable variation in performance among valves of the same type.  
There are 2 figures and 2 references, 1 of which is Soviet and 1 English.

SUBMITTED: April 1, 1958

Card 2/2

MISHUSTIN, I.A.

Potentiating modulator for a simple computer. Prib. i tekhn.  
eksp. no.3:86-89 My-Je '60. (MIRA 14:10)  
(Electronic calculating machines)  
(Modulation (Electronics))